Name:_____ Class: _____

Practice - Polynomials 1

1) Complete the chart:

Expression	# of Terms	Monomial? Binomial? Trinomial? Polynomial?	Degree of Each Term	Degree of the Polynomial
$3-7x-9x^2$				
$6x^3+5$				
-4				
$-10y+5x$				
$6x^3+2-8x$				

2) Add the following polynomials:

a) $\left(7j^2-2\right)+\left(5j^2-3\right)$

b) $\left(8x^2-4\right)+\left(-3x^2+x-2\right)$

c) $\left(6w^2+1\right)+\left(2w^2+9w-1\right)$

d) $\left(-5x^2-x+4\right)+\left(-3x^2-5x+2\right)$

e) $\left(-3x^2-3x+1\right)+\left(x^2+3x+1\right)$

f) $\left(-4t+4t^3+7\right)+\left(3t^3-9-3t\right)$

Outcomes:

PR5 - Demonstrate an understanding of polynomials
PR6 - Adding and subtracting polynomials

3) Subtract the following polynomials:

a) $\left(8x^2-3\right)-\left(5x^2-5\right)$

b) $\left(-2x^2+x\right)-\left(-7x^2+7x\right)$

c) $\left(-6m^2-4\right)-\left(4m^2+3m+8\right)$

d) $\left(2x^2+3x+9\right)-\left(5x^2-7x+6\right)$

e) $\left(-x^3+x^2+4\right)-\left(3x^3-8x^2-2\right)$

f) $\left(5b-3-4b^2\right)-\left(8b^2+7+5b\right)$

Review of Adding & Subtracting Polynomials :   

Outcomes:	PR5 - Demonstrate an understanding of polynomials PR6 - Adding and subtracting polynomials